

Title (en)  
POLYOLEFIN MICROPOROUS MEMBRANE, SEPARATOR FOR ELECTRICITY STORAGE DEVICES, AND ELECTRICITY STORAGE DEVICE

Title (de)  
MIKROPORÖSE POLYOLEFINMEMBRAN, SEPARATOR FÜR ELEKTRIZITÄTSSPEICHERVORRICHTUNGEN UND ELEKTRIZITÄTSSPEICHERVORRICHTUNG

Title (fr)  
MEMBRANE MICROPOREUSE EN POLYOLÉFINE, SÉPARATEUR POUR DISPOSITIFS DE STOCKAGE D'ÉLECTRICITÉ ET DISPOSITIF DE STOCKAGE D'ÉLECTRICITÉ

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Application  
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Abstract (en)  
According to the present invention, a microporous membrane contains a polyolefin resin and inorganic particles; the primary particle diameter of the inorganic particles is 100 nm or less; the content of the inorganic particles is 10-60% by mass or 10% by mass or more but less than 40% by mass based on the mass of the microporous membrane; and the retention time at 150°C is less than 200 seconds or the retention time at 145°C is more than 1 second but less than 300 seconds in the thermal behavior evaluation of the microporous membrane.

IPC 8 full level  
**C08J 9/26** (2006.01); **C08J 9/28** (2006.01); **H01G 11/52** (2013.01); **H01M 2/16** (2006.01); **H01M 50/443** (2021.01); **H01M 50/491** (2021.01); **H01M 50/494** (2021.01)

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**C08J 5/18** (2013.01 - EP KR); **C08J 9/0066** (2013.01 - KR); **C08J 9/008** (2013.01 - KR); **C08J 9/26** (2013.01 - KR); **C08J 9/28** (2013.01 - KR); **C08K 3/22** (2013.01 - EP KR); **C08K 3/36** (2013.01 - EP KR); **C08L 23/06** (2013.01 - KR); **C08L 23/12** (2013.01 - KR); **C08L 91/00** (2013.01 - EP KR); **H01G 9/02** (2013.01 - KR); **H01G 11/52** (2013.01 - EP KR US); **H01M 10/0431** (2013.01 - EP KR); **H01M 10/0587** (2013.01 - EP KR); **H01M 50/103** (2021.01 - EP KR); **H01M 50/403** (2021.01 - EP KR); **H01M 50/417** (2021.01 - EP KR); **H01M 50/443** (2021.01 - EP KR US); **H01M 50/446** (2021.01 - EP KR US); **H01M 50/449** (2021.01 - EP KR); **H01M 50/461** (2021.01 - EP KR); **H01M 50/491** (2021.01 - EP KR US); **H01M 50/494** (2021.01 - EP KR US); **C08J 9/008** (2013.01 - EP); **C08J 9/28** (2013.01 - EP); **C08J 2323/06** (2013.01 - EP KR); **C08J 2323/12** (2013.01 - EP KR); **C08J 2391/00** (2013.01 - EP KR); **C08J 2423/06** (2013.01 - EP KR); **C08J 2423/12** (2013.01 - EP KR); **C08K 2201/003** (2013.01 - EP KR); **C08L 2207/062** (2013.01 - EP KR); **C08L 2207/068** (2013.01 - EP KR); **H01G 9/02** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

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